

Title (en)
LOCOMOTIVE DRIVING MODE SWITCHING METHOD, APPARATUS, AND MEDIUM

Title (de)
VERFAHREN, VORRICHTUNG UND MEDIUM ZUM UMSCHALTEN EINES LOKOMOTIVENANTRIEBSMODUS

Title (fr)
PROCÉDÉ DE COMMUTATION DE MODE DE CONDUITE DE LOCOMOTIVE, APPAREIL ET SUPPORT

Publication
EP 3842311 A4 20220629 (EN)

Application
EP 19895456 A 20191025

Priority
• CN 201811534386 A 20181214
• CN 2019113181 W 20191025

Abstract (en)
[origin: EP3842311A1] A locomotive driving mode switching method, an apparatus, and a computer readable storage medium. Said method comprises: determining whether state information of control apparatuses and self-state information satisfy an automatic driving mode; and when all the state information and self-state information satisfy the automatic driving mode, displaying prompt information of activating the automatic driving mode; upon reception of an automatic driving activation instruction in conformity to a safety rule, sending the automatic driving activation instruction to the control apparatuses, and upon reception of response messages for automatic driving activation confirmation fed back by the control apparatuses, adjusting a self-driving mode to the automatic driving mode, thereby completing switching of a locomotive from a manual driving mode to the automatic driving mode. A locomotive can switch to the automatic driving mode only when all apparatuses satisfy the condition of entering an automatic driving mode, improving the reliability and safety of switching a locomotive driving mode.

IPC 8 full level
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CPC (source: CN EP)
B60W 30/182 (2013.01 - CN); **B61L 15/0063** (2013.01 - EP); **B61L 27/30** (2022.01 - EP)

Citation (search report)
• [I] CN 107977000 A 20180501 - UNIV TSINGHUA
• [A] WO 2017162406 A1 20170928 - SIEMENS AG [DE]
• [E] WO 2021009132 A1 20210121 - ALSTOM TRANSP TECH [FR]
• See references of WO 2020119281A1

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CN114148381A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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